

Figure 1

	Total protein mg	Enzyme activity nkat	Yield %	Specific activity nkat·mg ⁻¹	Purification -fold
Crude extract	1716	51		0.03	
Ammonium sulphate precipitation (30-80%)	890	155	300	0.17	6
DEAE column	10.7	50	98	4.69	158
MonoQ column 60%	1.8	18.6	36	10.23	344
MonoQ column 30%	0.96	6.6	12	6.87	231
Phenylsucrose	0.07	1.2	2.4	18.03	600

nkat = 1nmol caffeoyl-CoA s⁻¹

Figure 2

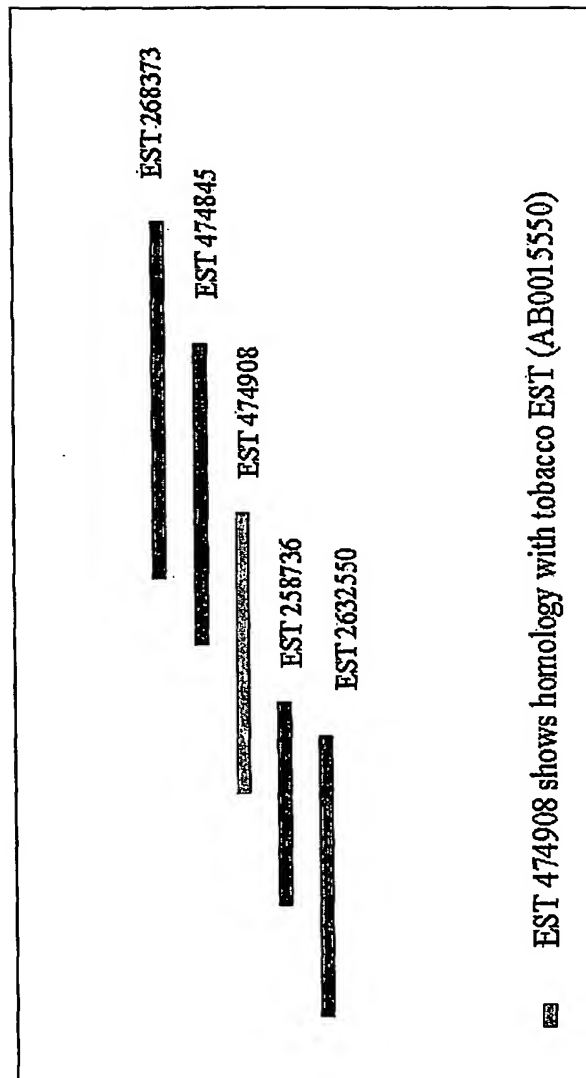


Figure 3

	1				60	
tobHQT	MCSEKMKKIP	IKESTLVKPS	KPTPTKELWS	SNLDLIVGRI	HLLTVYFYKE	MCSNMFELSE
tomHQT	MCSEKMKKIP	IKESTLVKPS	KPTPTKELWS	SNLDLIVGRI	HLLTVYFYKE	MCSNMFELSE
cons	-----MK--	IK--L-KPS	-PTP--L--	SNLD-I-G--	-----FYK-	-----S-
	61				120	
	IMKEALSNI	WSPYPMACRI	APDEQCRIEI	MCMCEGVLEW	EAESEIENDE	FCDFTPSELI
	IMKEALSNI	WSPYPMACRI	APDEQCRIEI	MCMCEGVLEW	EAESEIENDE	FCDFTPSELI
	--K-LS--L	V--YP-MERL	-R--G--KI	-CN-EG--FV	EA-SD----D	F-D--P---L
	121				180	
	RKLLIVDTG	EDISTFPLII	FOVTRKCCG	WSLGGCVVHT	LSDCGSSITH	INTWSDIARG
	RKLLIVDTG	EDISTFPLII	FOVTRKCCG	WSLGGCVVHT	LSDCGSSITH	INTWSDIARG
	--L-P-V--S	---T-PL--	-QVT-KCCG	---G--V-H-	--DG-S---F	IN-W--ARG
	181				240	
	LSVAIPPFI	RTLLRARDPE	TESFEHWEYH	PPRELISSEK	SLESTSPKPS	TTTHLKFSSE
	LSVAIPPFI	RTLLRARDPE	TYSEHWEYH	PPRELISSEK	SLESTSPKPS	TTTHLKFSSE
	-----P--D	R-LL--R-PP	-----H-KY-	P-----	-----	-----K-S--
	241				300	
	QLCLRSKSK	HDCSTYEILM	AHIURCTCKA	RLSDDQLTK	LHWATDGBSE	LCBPPLPGYL
	QLCLRSKSK	HDCSTYEILM	AHIURCTCKA	RLSDDQLTK	LHWATDGBSE	LCBPPLPGYL
	-L--LK-K--	-----E--	A--VRC--KA	--L-----	L--A--BSR	L-PPLP-GY-
	301				360	
	GNVVFICTPM	AKSELLEEF	LTNSKRIHS	ELSHDDNYL	RSALDYLELI	PDLCLIRCH
	GNVVFICTPM	AKSELLEEF	LTNSKRIHS	ELSHDDNYL	RSALDYLELI	PDLCLIRCH
	GN-V-----	---KL---P	L--A-----	A-K-----YL	RS--D--E--	--L-----G-
	361				420	
	TYFASNNIMI	NSUTBLPVHD	SDFCMGRPIH	MCPACILYEC	TVYILPSFNS	KDRNLRLAVG
	TYFASNNIMI	NSUTBLPVHD	SDFCMGRPIH	MCPACILYEC	TVYILPSFNS	KDRNLRLAVG
	-----	-SW-R-P--	-DFGWC-P--	-GP-----	-----PS--	-D-----WC
	421	436				
	LDGCHHLLFE	KYLYDE				
	LDGCHHLLFE	KYLYDE				
	L---M--ER	K-----				

Figure 4

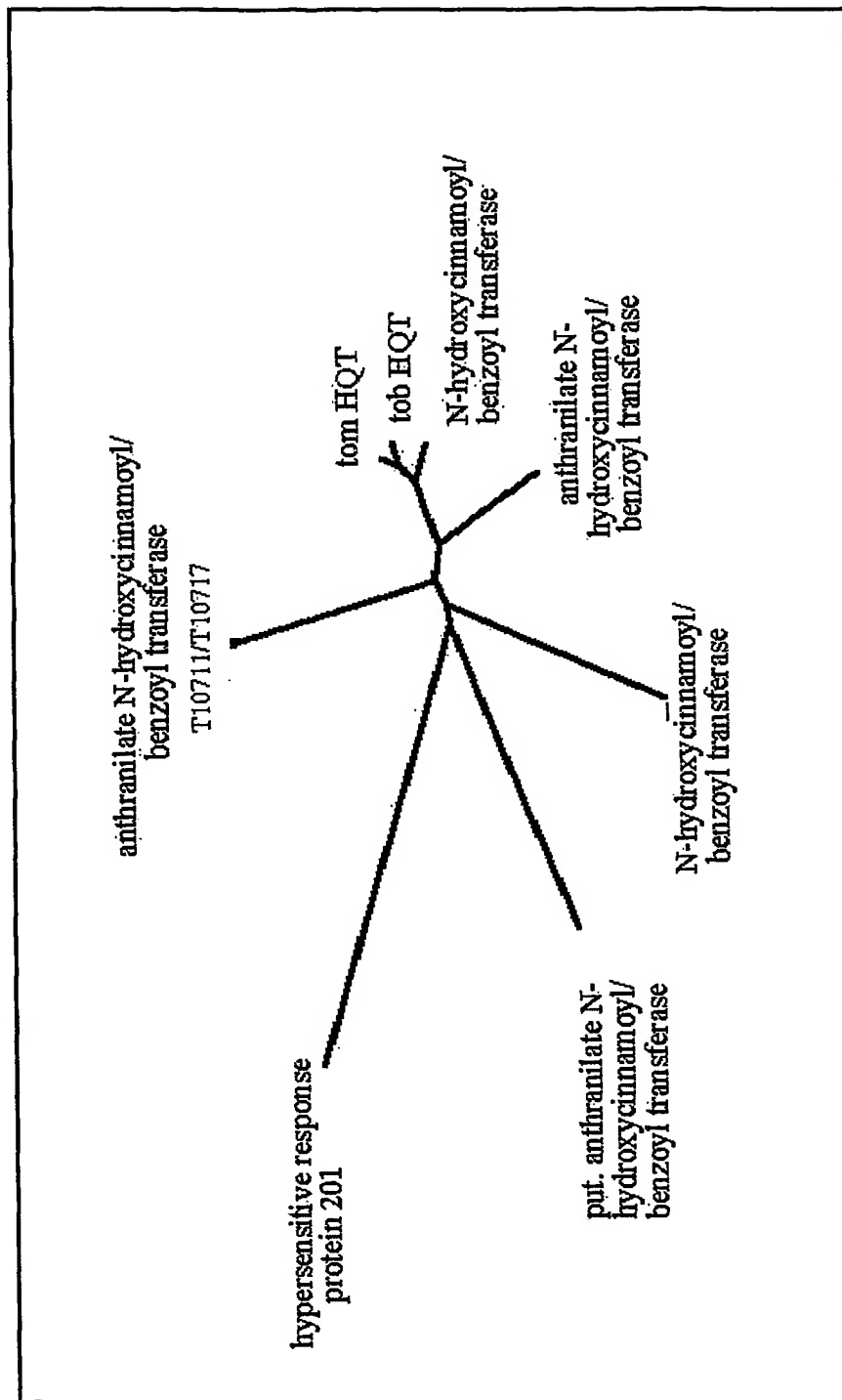


Figure 5

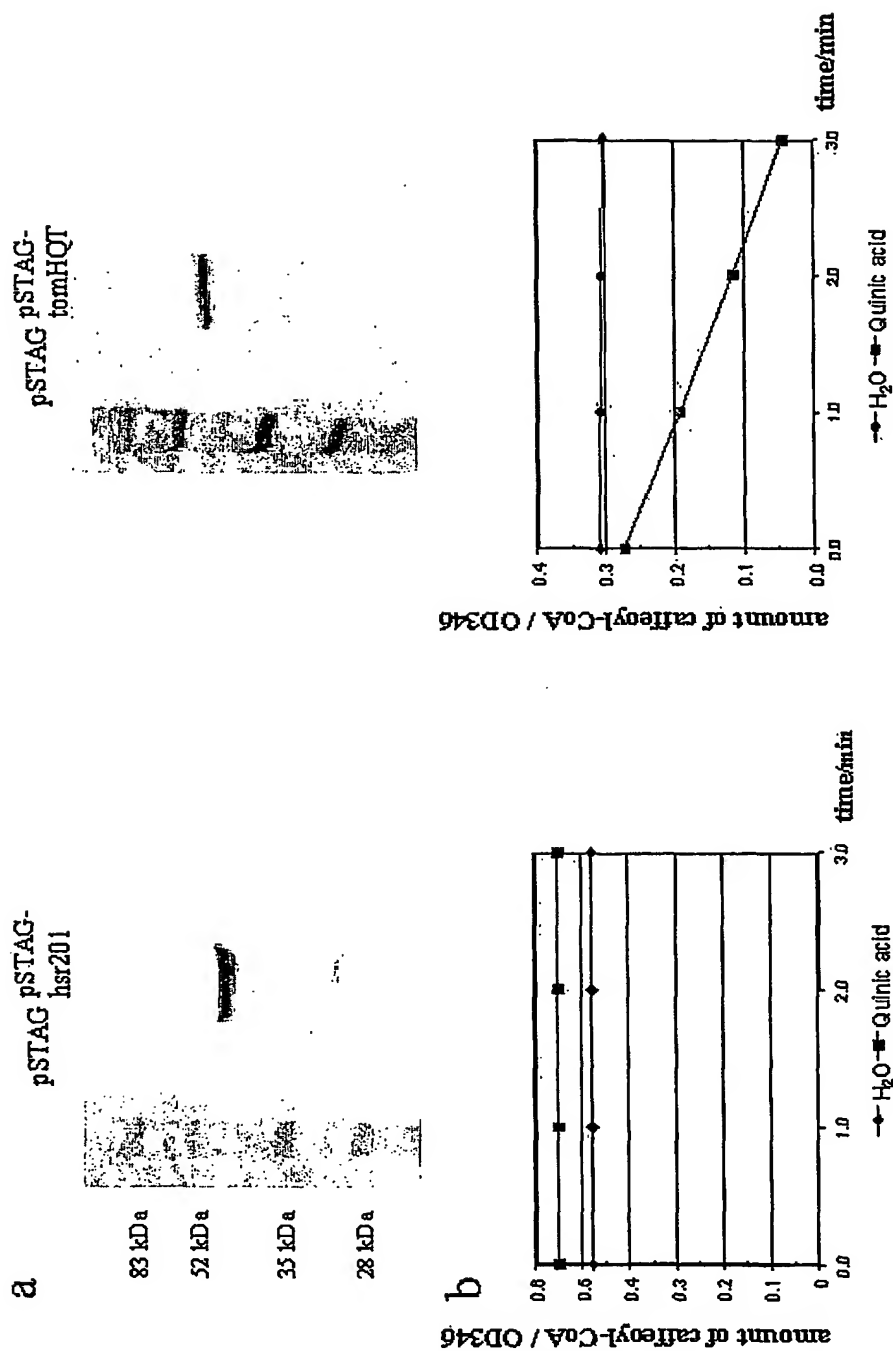


Figure 6

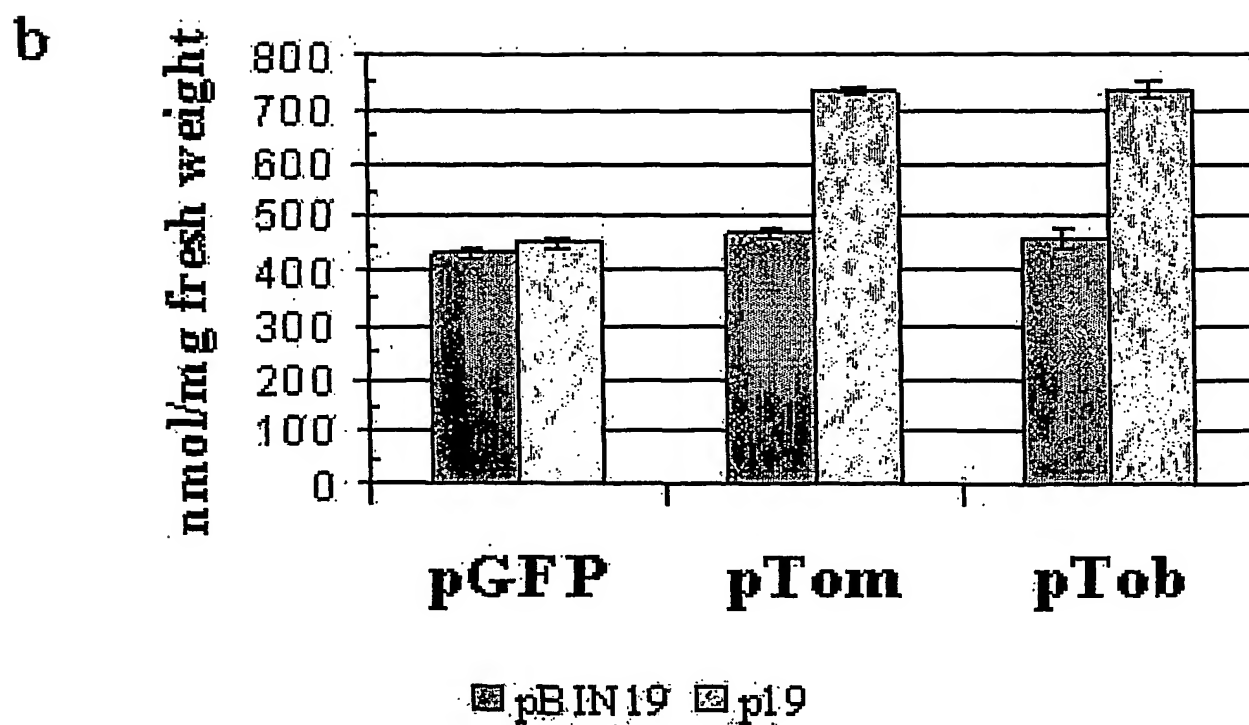
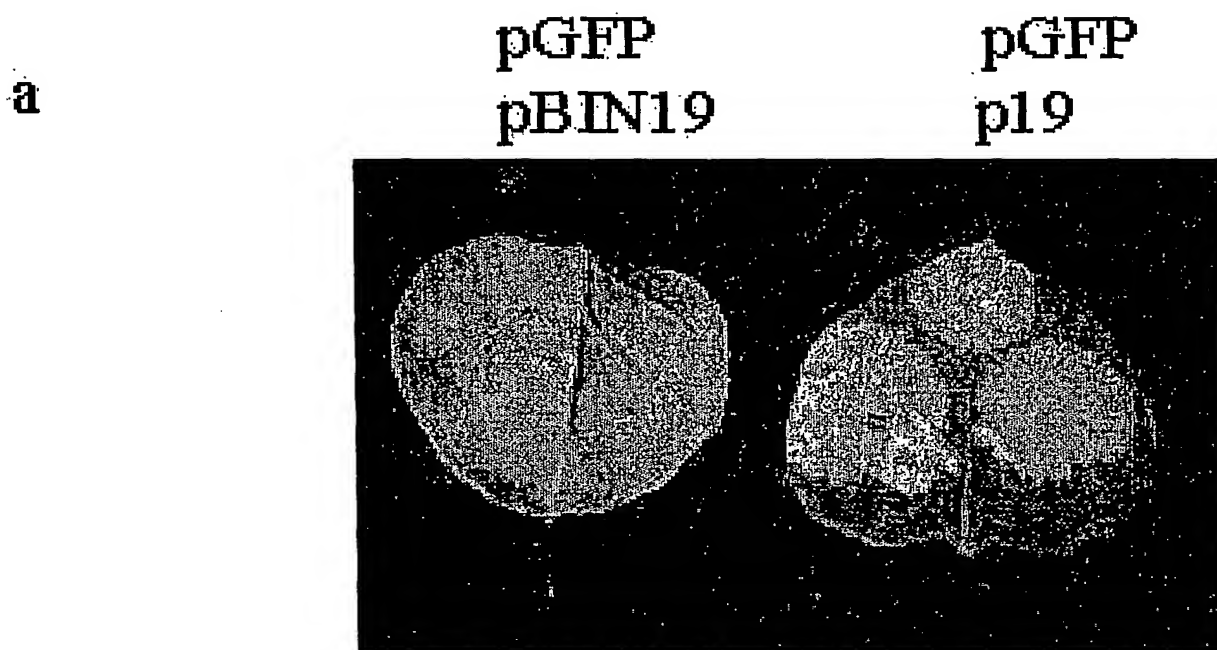


Figure 7a

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TAAACCAAAT GGATCTTCAA ATTTTTTTGA TAATAAAGTT ATTAAAGAAG
CATTAAGTAA TGTTTTAGTT TCATTTTATC CAATGGCTGG AAGATTAGGT
AGGGATGAAC AAGGTAGAAT TGAAGTTAAT TGTAATGGTG AAGGTGTTTT
GTTTGTGAG GCTGAAAGTG ATTCATGTGT TGATGATTTT GGTGATTTTA
CACCATCTTT GGAACCTAGA AAACCTATTC CAAGTGTTGA AACCTCTGGA
GATATCTCAA CTTTCCCACT AGTTATATTT CAGATTACTC GTTCAAGTG
TGGCGGAGTC GCTCTTGGTG GTGGAGTATT CCACACGTTA TCCGATGGTC
TCTCATCCAT CCACTTCATC AACACGTGGT CGGACATCGC CCGTGGCCTC
TCCGTGCGAG TCCGCGCGTT CATCGATCGG ACGCTCCTCC GTGCAAGGGA
CCCACCGACA TATTCTTTCG AGCACGTTGA GTACCATCCT cCACCTACCC
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TATACCAAGT CCAAATTCTA AAGATAGGAA CTTGCGTTTG GCTGTTTGTc
TAGATGCTGG TCACATGTCA CTATTTGAAA AATATTTATA TGAATTATGA

Figure 7b

ATGGGAAG TGAAAAAATG ATGAAAATTA ATATCAAGGA ATCAACATTA
GTAAAACCAT CAAAACCAAC ACCAACAAAA AGACTTTGGA GTTCTAACTT
AGATTTAATA GTGGGAAGAA TTCATCTTTT AACAGTATAT TTCTATAAAC
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CGCCATCCCG CCGTTCATCG ACCGGACCCCT CCTCCGTGCA CGGGACCCAC
CAACATCGTC TTTCGAGCAC GTCGAGTATC ATCCTCCTCC ATCTCTAATT
TCATCATCAA AAAGCTTAGA ATCCACTAGC CCAAAGCCTA GTACCACAAC
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